Site address: 182 Howard Pond Rd - Stat

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT# 127456 PIN# 4775-05-9009 DATE 5-2-05

OWNER OR CONTRACTOR WARD DIVERSIFIED SERVICES, INC PHONE: Business 828-478-4497 Home 704-902-3907

ADDRESS 8156 MONBO ROAD, CATAWBA, NC 28609

LOCATION US 64 EAST, TL SAIN RD, TL SPRING FOREST RD, TL 1ST HOWARD POND RD, LOT #62 ON RIGHT

SUBDIVISION SPRING FOREST BLOCK / SECTION ___ LOT 62 LOT AREA 0.6283 ACRE SITE CLASS. PS DESIGN FLOW 480 L.T.A.R. 0.30 GPD/FT²

Septic Tank: 1000 Gallons; STB 1012 Date 4-6-05
Pump Tank: 1000 Gallons; PT 17 Date 6-15-05
Pump Make: GOULDS Model WE05 1HH Serial No. H0518254
Nitrification Field: No Fields 1 Square Feet E.P. 1600 Linear Feet 400
No Lines SIX Trench Width 36" Max Trench Bottom Depth 36"

☑ New System ☐ Repair System Type: I, II, (III), IV, V, VI
System Description: 25% REDUCTION PUMP
Repair System Description: 50% REDUCTION, LOW-PRESSURE
Maintenance Agreement Required: ☐ Yes ☑ No
Gravel Depth N/A ☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

☑ House/Mod. Home ☐ Mobile Home ☐ Business ☐ Other
No. Bedrooms 4 No. Bathrooms ___ No. Employees ___

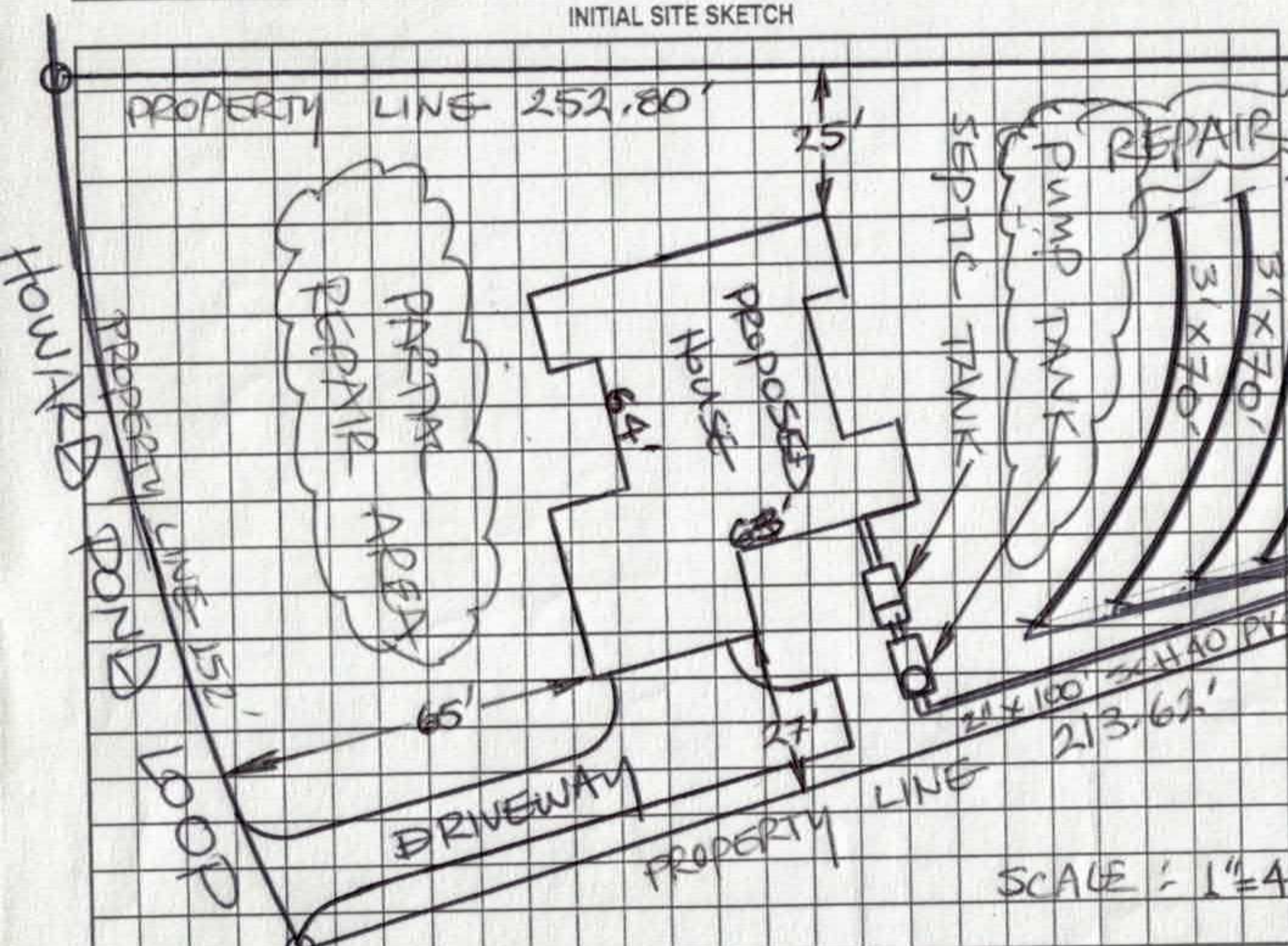
Water Supply: ☐ Individual ☑ Public ☐ Community

Comments:/Conditions: ① INSTALL 25% REDUCTION SYSTEM ON CONTOUR AS SHOWN ② SEE ATTACHED SHEETS FOR PUMP & PRESSURE MANIFOLD REQUIREMENTS.

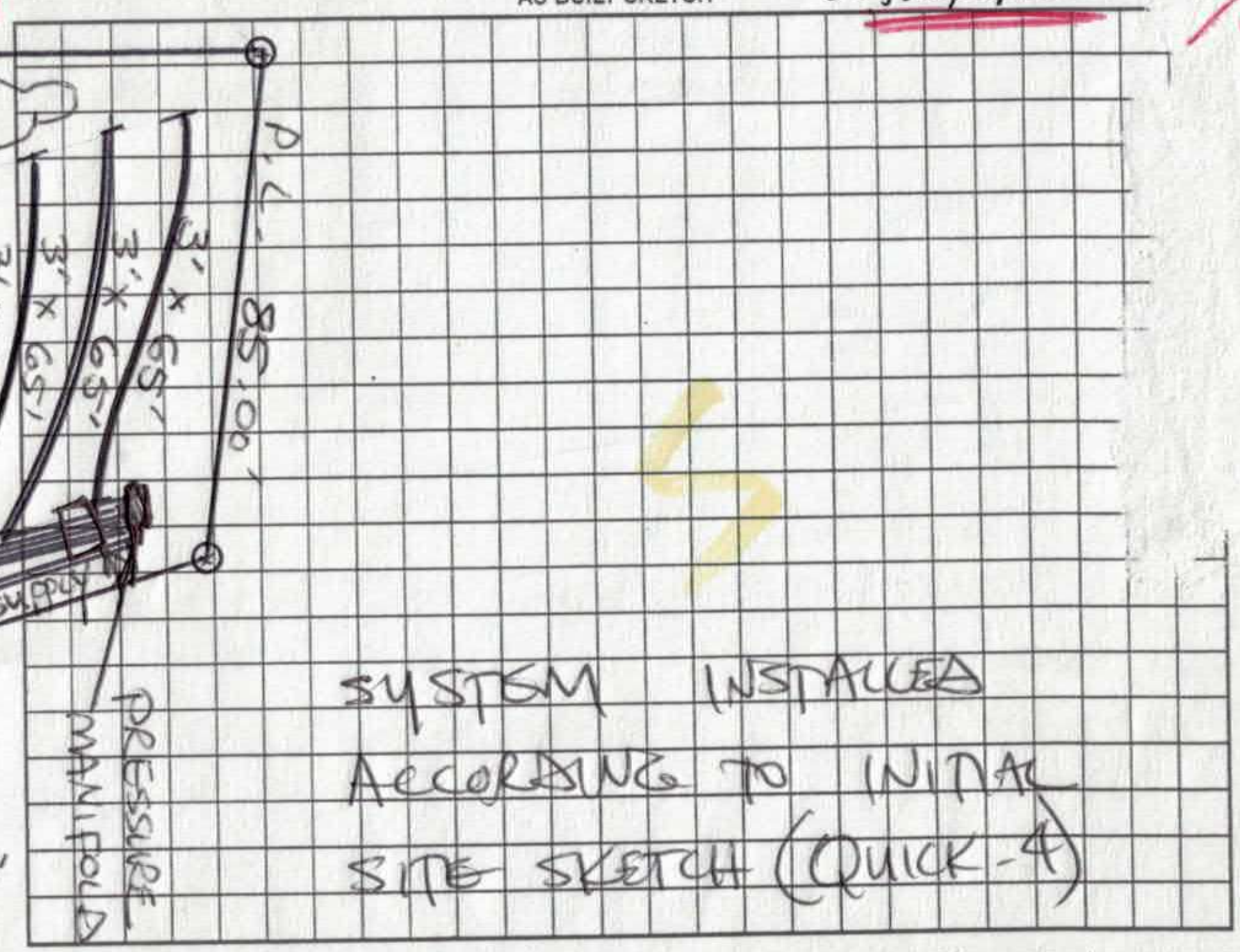
Comments:/Conditions: SEPTIC TANK WITH MARKER INSTALLED USING "TUFTITE" FILTER

*Alarm and Electrical Done by Lutz Wastewater. Final by B. Botkins on July 2, 2018.

INITIAL SITE SKETCH



AS BUILT SKETCH



Permit can be suspended or revoked if any false information is supplied toward securing the permit/any unauthorized changes are made to the site/any unauthorized changes are made in the installation of the system. Improvement Permit with plat valid without expiration. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: Jeffrey Ward date 5-3-05

Improvement Permit by: STEVE HEDRICK date 5-2-05

Authorization to Construct by: STEVE HEDRICK date 5-2-05

Installed by: TOMMY FRYE

Operation Permit by: Benjamin A. Botkins date 7/2/2018.

Existing System Inspection by: ___ date ___

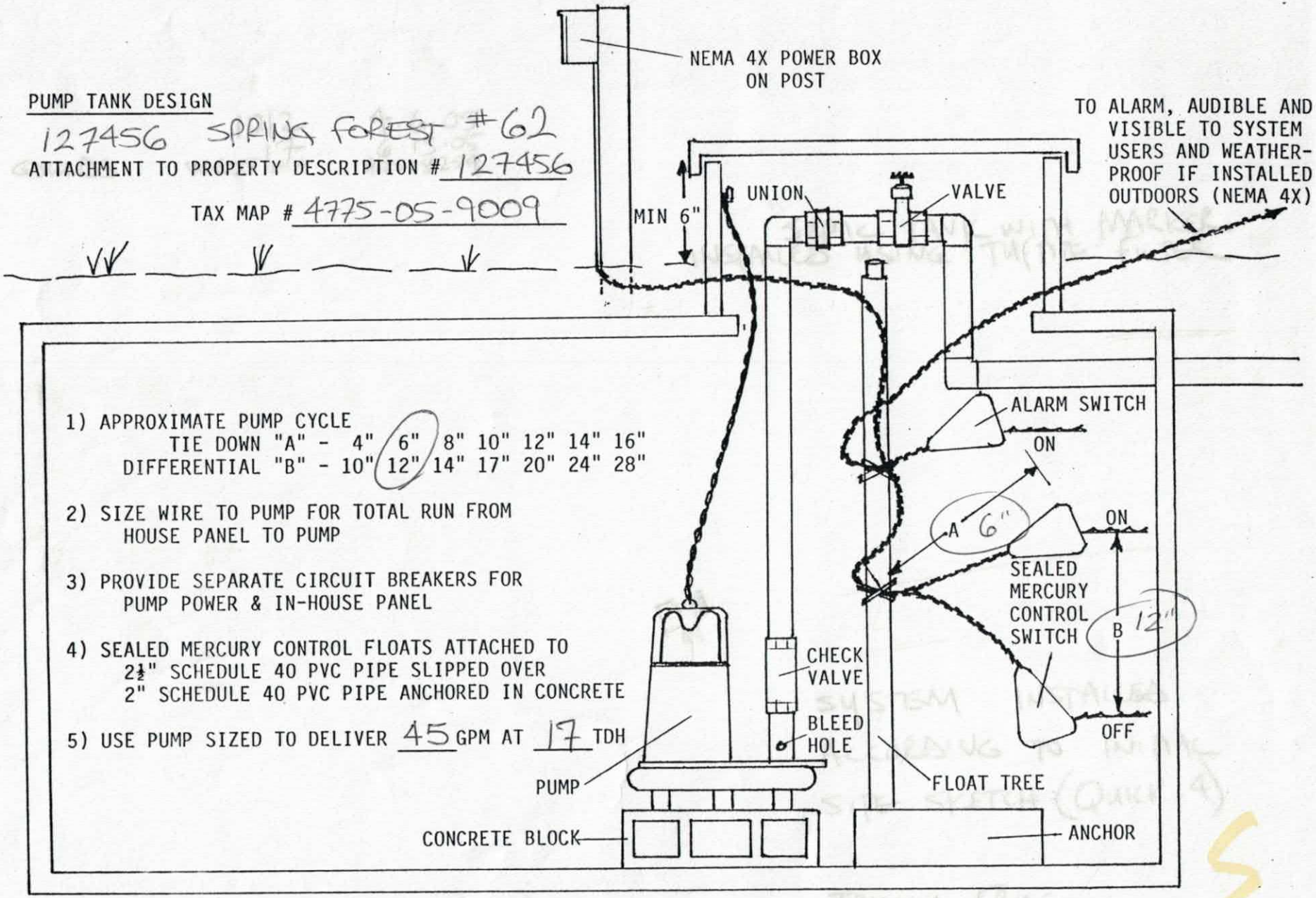
HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK

PUMP TANK DESIGN

127456 SPRING FOREST #62

ATTACHMENT TO PROPERTY DESCRIPTION # 127456

TAX MAP # 4775-05-9009



1) APPROXIMATE PUMP CYCLE
   TIE DOWN "A" - 4" (6") 8" 10" 12" 14" 16"
   DIFFERENTIAL "B" - 10" (12") 14" 17" 20" 24" 28"

2) SIZE WIRE TO PUMP FOR TOTAL RUN FROM HOUSE PANEL TO PUMP

3) PROVIDE SEPARATE CIRCUIT BREAKERS FOR PUMP POWER & IN-HOUSE PANEL

4) SEALED MERCURY CONTROL FLOATS ATTACHED TO 2½" SCHEDULE 40 PVC PIPE SLIPPED OVER 2" SCHEDULE 40 PVC PIPE ANCHORED IN CONCRETE

5) USE PUMP SIZED TO DELIVER 45 GPM AT 17 TDH

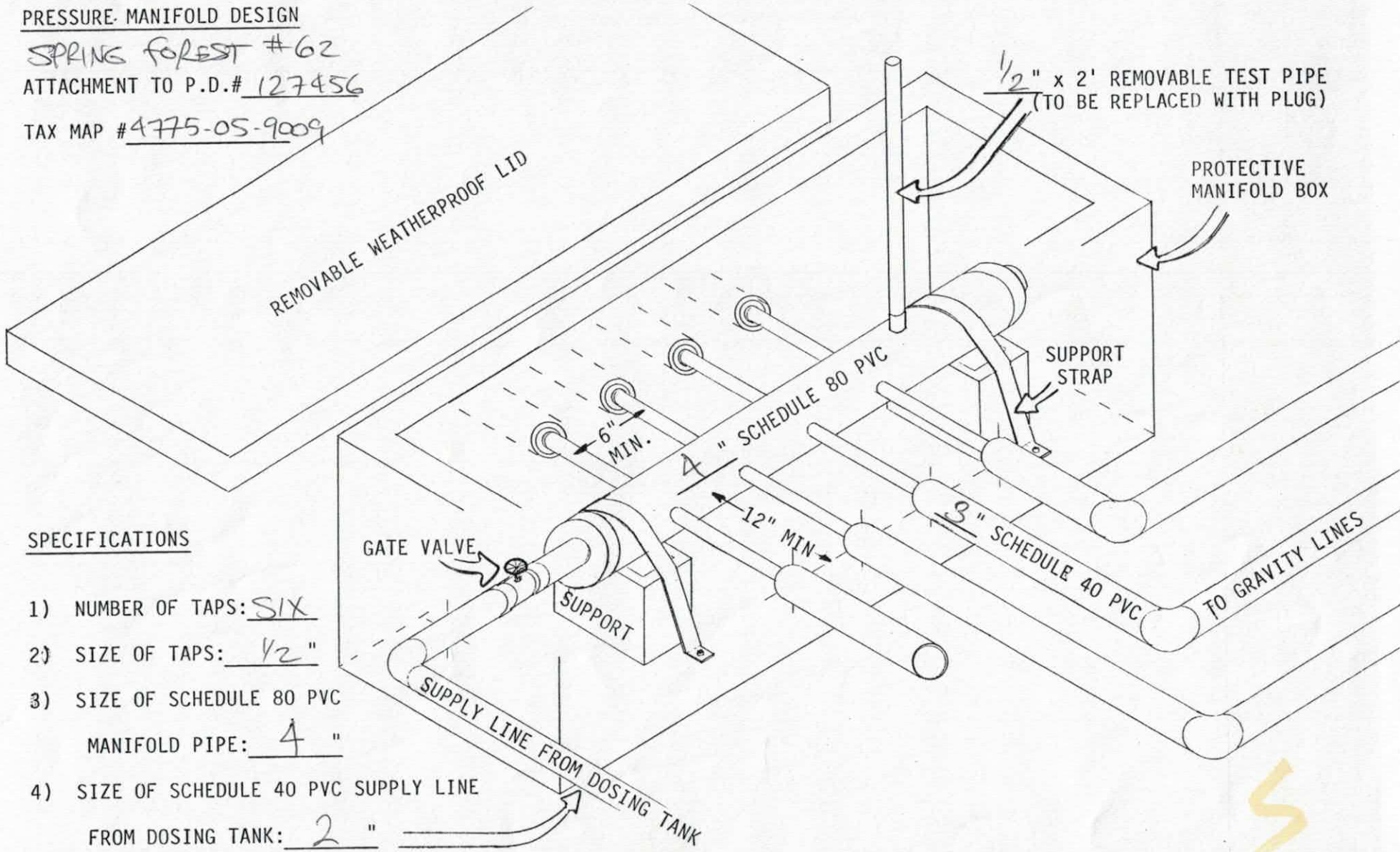
S

PRESSURE MANIFOLD DESIGN

SPRING FOREST #62

ATTACHMENT TO P.D.# 127456

TAX MAP #4775-05-9009



SPECIFICATIONS

1) NUMBER OF TAPS: SIX
2) SIZE OF TAPS: 1/2"
3) SIZE OF SCHEDULE 80 PVC MANIFOLD PIPE: 4"
4) SIZE OF SCHEDULE 40 PVC SUPPLY LINE FROM DOSING TANK: 2"

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #:
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: WARD DIVERSIFIED
ADDRESS: 8156 MONBO RD, CATAWBA, NC 28609
PROPOSED FACILITY:
PROPOSED DESIGN FLOW (.1949):
LOCATION OF SITE: SPRING FOREST #62

APPLICATION DATE 3-11-05
DATE EVALUATED: 5-2-05
PROPERTY SIZE: 0.628
PROPERTY RECORDED:

WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L	0-6	WSBL SC	FR SS SP					PS 0.3
		6-48	MSBL C	FR SS SP					
2	SLIGHT H	0-8	WSBL SC	VFR SS SP					PS 0.3
		8-48	MSBL C	FR SS SP					
3	H	0-10	WSBL SC	FR SS SP					PS 0.3
		10-48	MSBL C	FR SS SP					
4	H	0-10	WSBL SC	VFR SS SP					PS 0.3
		10-48	MSBL C	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)		
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS

EVALUATED BY: S. HEDRICK & DAN MCNEIL
OTHER(S) PRESENT: MARTY MALTBY

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

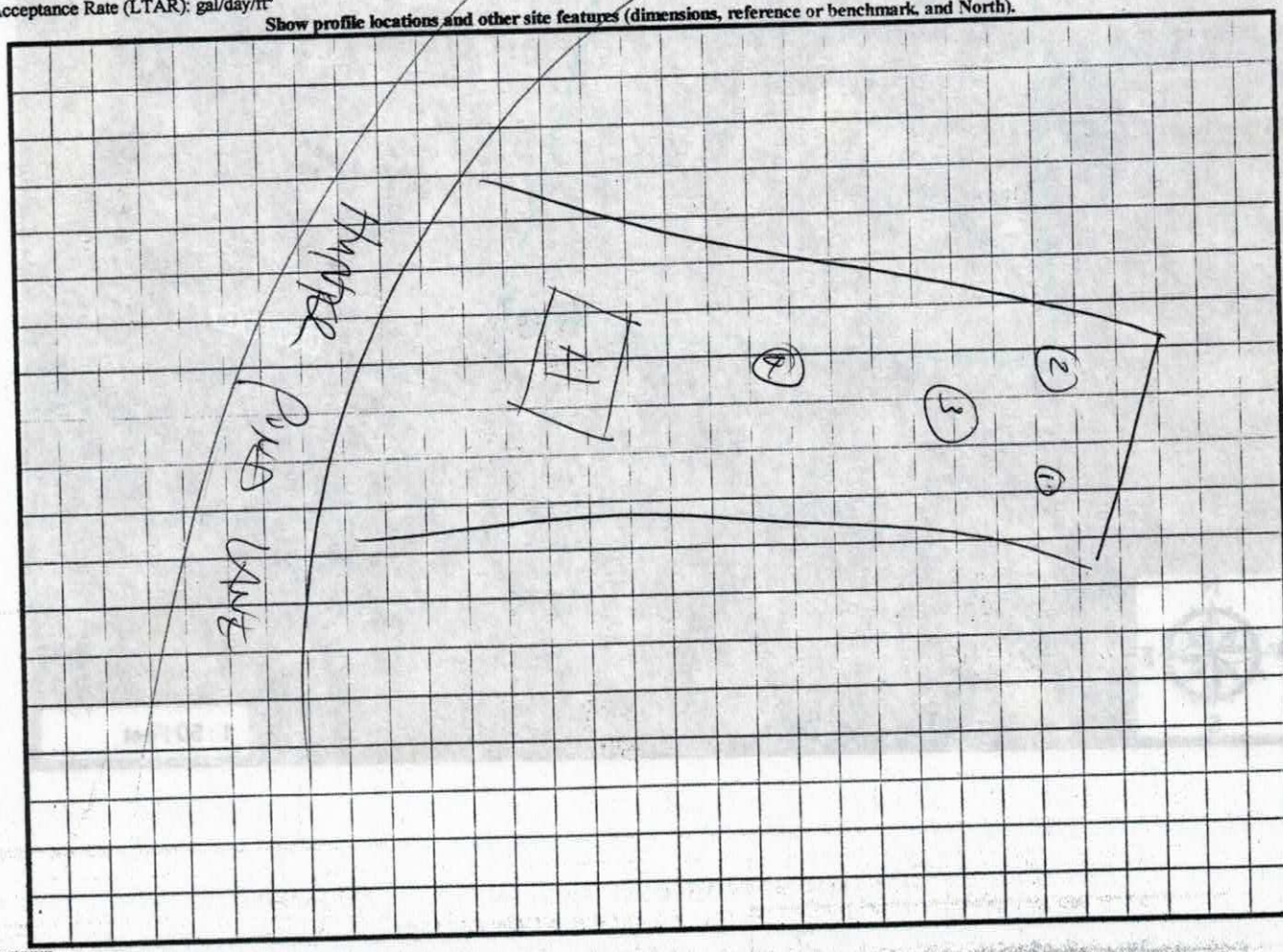
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)
Review (#####)

IREDELL COUNTY HEALTH DEPARTMENT

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: ___ Improvement Permit ✓ Authorization To Construct ___ BOTH ___ Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
   The following optional attachments may also be submitted: ___ Survey Plat, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Applicant Name	Mailing Address	Home Phone	Work Phone
KIRBY DSF	8156 Howard Rd.	7049023407	← MARTY

Owner Name	Mailing Address	Home Phone	Work Phone
TERRATEK	630 Signal Hill DR Statesville		

4. **Property Information:**

Street Address	Subdivision Name	Section/Phase and Lot Number
182 Howard Pond Loop		

Driving Directions: 64 TO Springfield. R. on Howard Pond Loop house on Left.

****

5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System

Maximum Number of Bedrooms 4
Maximum Number of Occupants ___
If Expansion, Current Number of Bedrooms ___

(✓) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business ___
Square Footage of Building ___
Maximum Number of Employees ___
Maximum Number of Seats ___

****

6. **Proposed Water Supply:**

( ) New Well ( ) Existing Well ( ) Community Well (✓) City Water ( ) Other Public Water

****

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)*

( ) Alternative (✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other ___ ( ) No Preference

****

8. **Please Answer The Following To The Best of Your Ability:**

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

****

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

9. **Signature:** for KIRBY DSF — 3-11-2005
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) — DATE

IREDELL COUNTY HEATLH DEPARTMENT

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE SAMPLE SITE PLAN BELOW. INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!

Place an (X) beside each item as you complete the site plan:

- ____ Property Line measurements are clearly identified…
- ____ All proposed structures are indicated…
- ____ *SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site*
- ____ Front and side setbacks from property line…
- ____ Preferred driveway location and configuration, preferred well location…
- ____ Area you prefer your septic system to be placed…
- ____ North arrow, or other sufficient indicator of direction…

Circle N/A on the following if appropriate:

- ____ Location of septic systems and wells within 100' of your property… N/A
- ____ Location of easements and rights of ways on your property… N/A
- ____ Location of any designated wetlands on the property… N/A

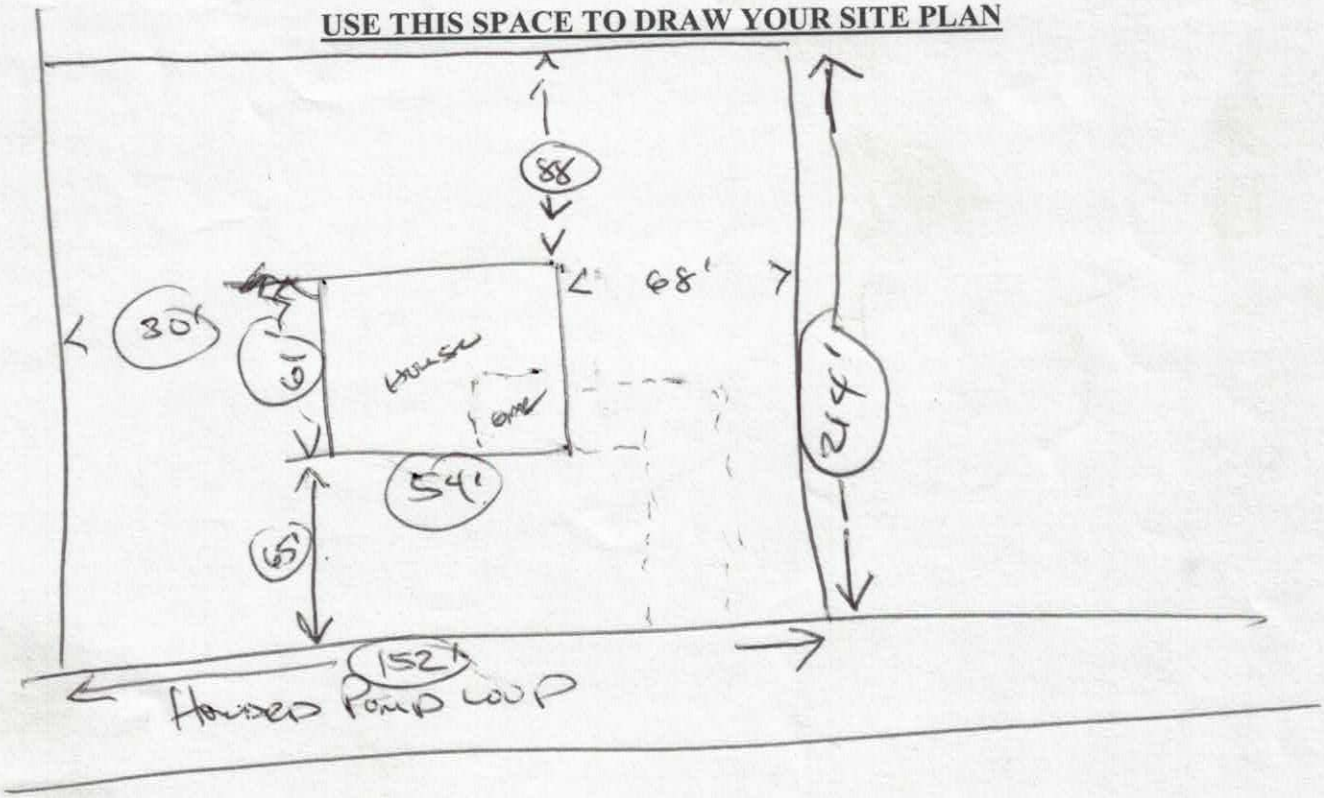
Signature: _____

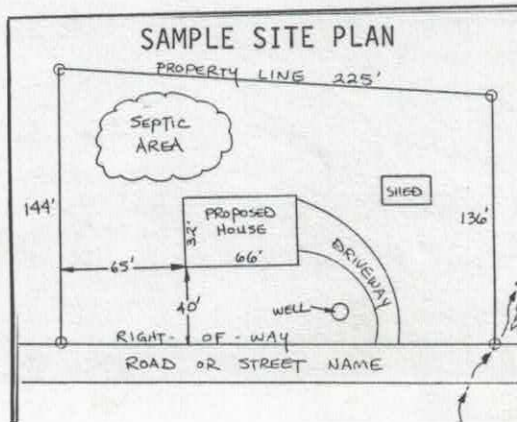
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

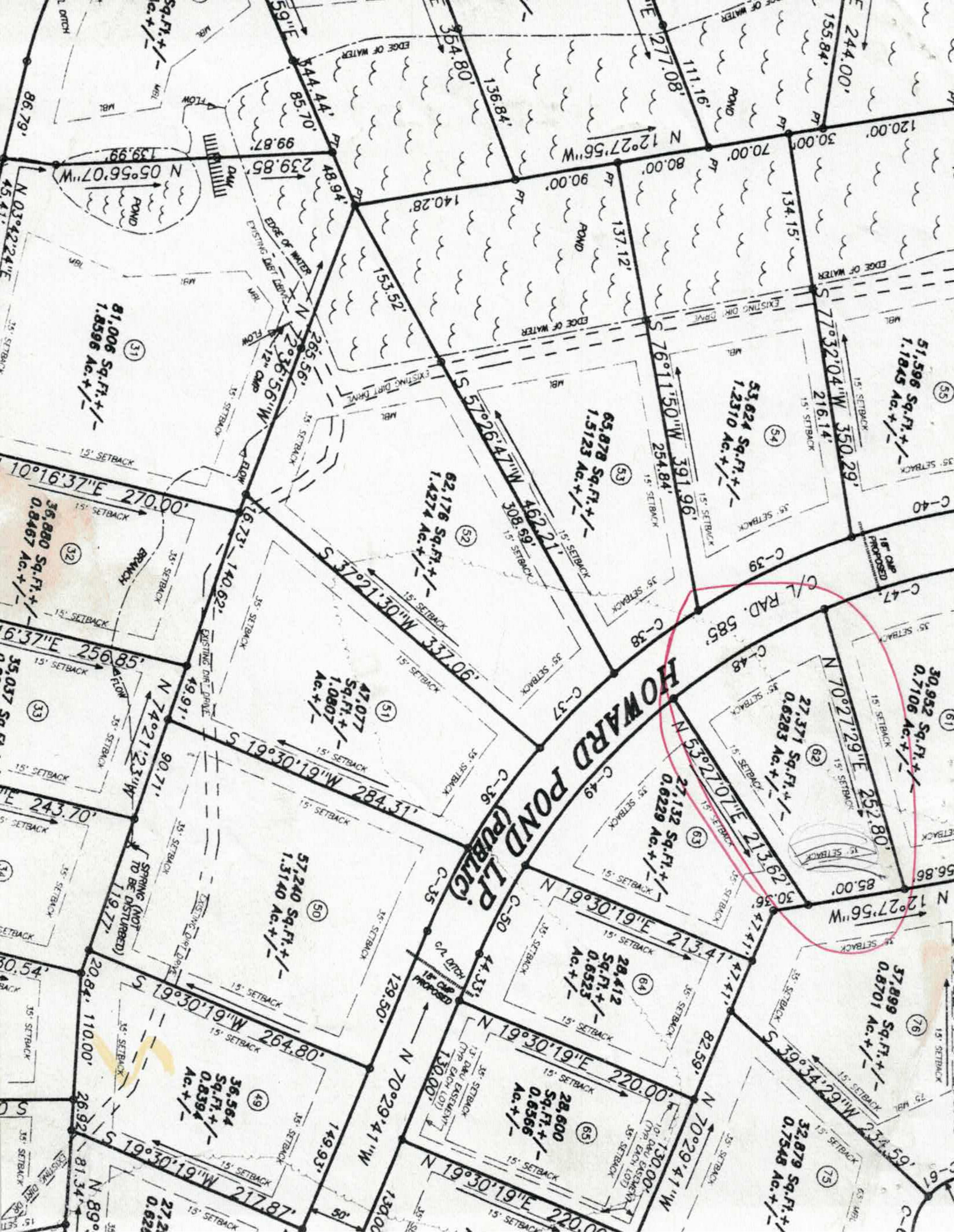
3-11-2015

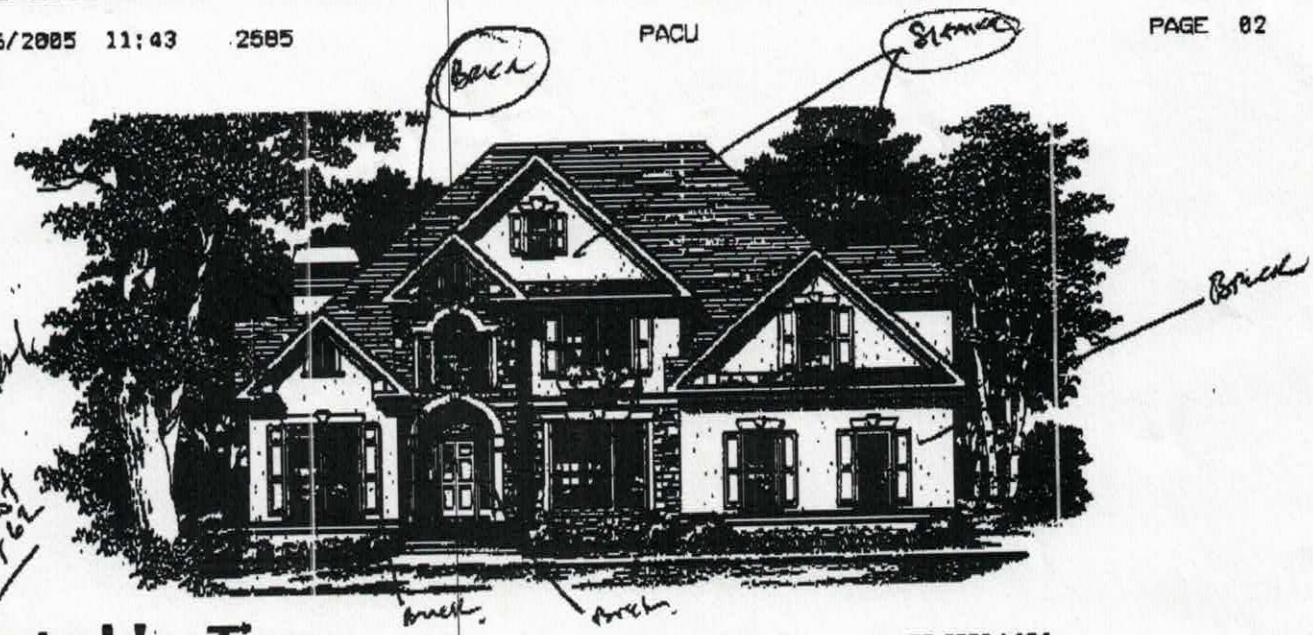
DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN






HOWARD POND LP (PUBLIC)
C/L RAD. 585'
81,006 Sq.Ft.+/- 1.8596 Ac.+/-
65,878 Sq.Ft.+/- 1.5123 Ac.+/-
53,624 Sq.Ft.+/- 1.2310 Ac.+/-
51,596 Sq.Ft.+/- 1.1845 Ac.+/-
62,176 Sq.Ft.+/- 1.4274 Ac.+/-
36,880 Sq.Ft.+/- 0.8467 Ac.+/-
47,077 Sq.Ft.+/- 1.0807 Ac.+/-
57,240 Sq.Ft.+/- 1.3140 Ac.+/-
30,952 Sq.Ft.+/- 0.7106 Ac.+/-
27,371 Sq.Ft.+/- 0.6283 Ac.+/-
27,132 Sq.Ft.+/- 0.6229 Ac.+/-
28,412 Sq.Ft.+/- 0.6523 Ac.+/-
37,899 Sq.Ft.+/- 0.8701 Ac.+/-
36,564 Sq.Ft.+/- 0.8394 Ac.+/-
28,600 Sq.Ft.+/- 0.6566 Ac.+/-
32,879 Sq.Ft.+/- 0.7548 Ac.+/-
S 57°26'47"W 462.21'
S 76°11'50"W 391.96'
S 77°32'04"W 350.29'
S 37°21'30"W 337.06'
S 19°30'19"W 284.31'
N 70°27'29"E 252.80'
N 53°27'07"E 213.62'
N 19°30'19"E 213.41'
S 19°30'19"W 264.80'
N 19°30'19"E 220.00'
S 39°34'29"W 234.59'
N 70°29'41"W 149.93'
N 74°21'23"W 90.71'
N 12°27'56"W
N 05°56'07"W
POND
EDGE OF WATER
EXISTING DIRT DRIVE
15' SETBACK
35' SETBACK
MBL
18" CMP PROPOSED
SPRING (NOT TO BE DISTURBED)



Tested by Time

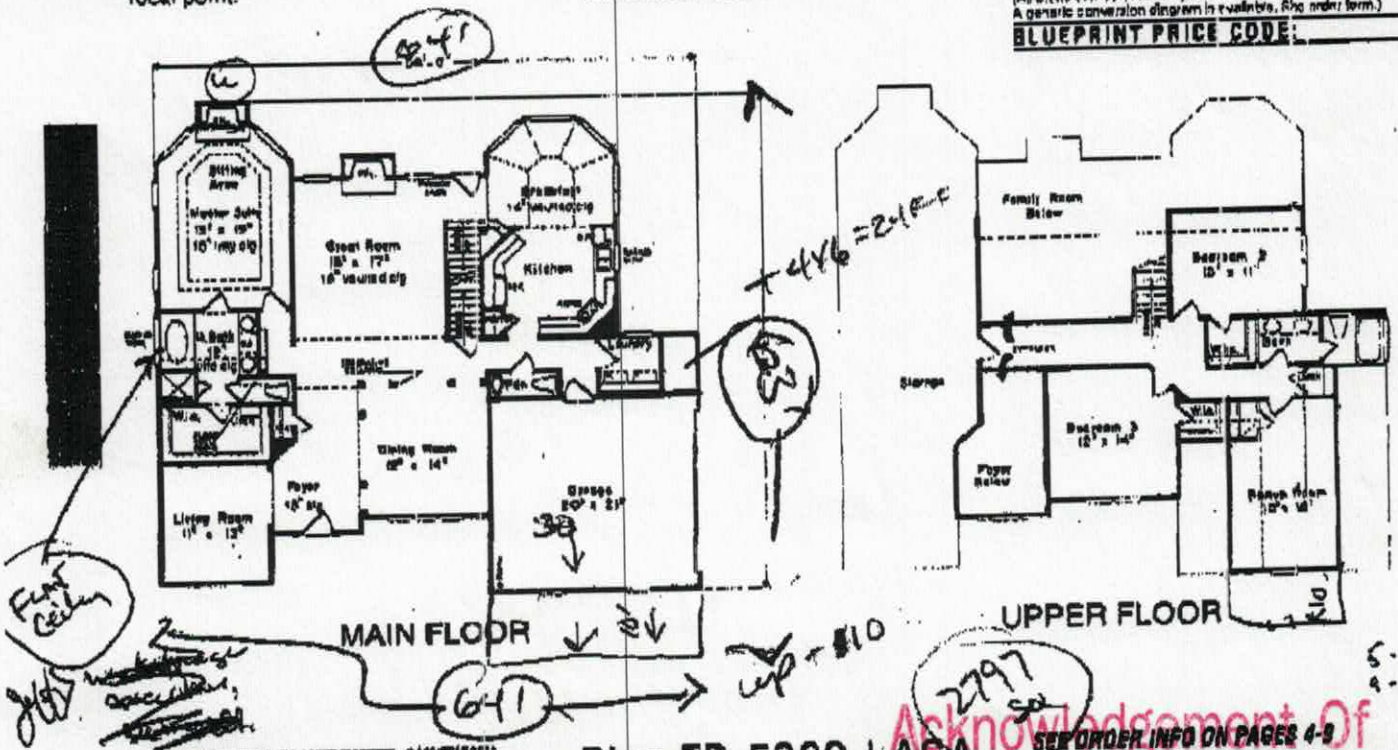
- Was it built yesterday or a century ago? Ideal for those who eschew the thought of a cookie-cutter new home, this design borrows from the time-tested elements of European architecture.
- The living room, just off the foyer, offers a quiet nook for receiving guests or hiding away with a good book.
- Striking columns and a different ceiling height delineate the boundaries of the formal dining room, which is otherwise open to the Great Room. In the Great Room, a fireplace serves as a warming focal point.
- The breakfast room nestles into a bayed nook and is topped by a vaulted ceiling. The adjacent kitchen features a refreshingly uncluttered layout. A nearby powder room services the main-floor living areas.
- An elegant tray ceiling enhances the already-grand master suite, which is conveniently located on the main floor. A plant shelf freshens the private bath.
- Two upper-floor bedrooms share a dramatic balcony overlook and a compartmentalized hall bath.
- The two-car garage's inconspicuous side entry preserves the home's immaculate facade.

Plan FB-5369-LASA

Bedrooms: 3+	**Baths: 2½**
Living Area:	
Upper floor	629 sq. ft.
Main floor	1,756 sq. ft.
Bonus room	208 sq. ft.
Total Living Area:	**2,693 sq. ft.**
Daylight basement	1,796 sq. ft.
Garage	588 sq. ft.
Exterior Wall Framing:	**2x4**
Foundation Options:	
Daylight basement	
Crawlspace	
Slab	

(All plans can be built with your choice of foundation and framing. A generic conversion diagram is available. Rho order form.)

BLUEPRINT PRICE CODE: D



ORDER BLUEPRINTS ANYTIME!
CALL TOLL-FREE 1-800-374-6784

Plan FB-5369-LASA

Plan copyright held by home designer/architect

SEE ORDER INFO ON PAGES 4-9
OR VISIT www.homeplans.com

Acknowledgement Of
Plans Submittal ONLY
STEVE HEDRICK Date 5-2-05
Jeffrey Ward Date 5-3-05

Iredell County
ZONING PERMIT

227 South Center St. PO Box 788 Statesville, NC 28687 Phone 704-878-3118

Call Sanitarian between 8 a.m. & 9 a.m. Statesville 704-878-5305 Mooresville 704-664-5281

Permit #: 127456ZO
Subdivision: Spring Forest
Proposed Use: Single Family
Township: 1300 Chambersburg
Location of Property: 182 HOWARD POND LOOP Statesville NC 28625
Parcel #: 4775059009.000
Zoning: R-20
Lot #: 62 Size: 0.628
Flood Plain: No Watershed: None
Applicant: Ward Diversified Service Inc
Owner: TERRATEK INC
Address: 8156 Monbo Road
Catawba NC 28609
Address: 630 SIGNAL HILL DR EXT
STATESVILLE, NC 286255357
Phone: 828-478-4497
Phone:
Property Recorded: Yes Site Plan Reviewed:
Community Water: No Community Sewer:

If permitted the following minimum requirements must be met, unless Health Department requires more land area, or other qualifications are indicated in the comments.

Min. Lot Area: Min. Front Yard: 35 ft Min. Left Side Yard: 15 ft
Min. Lot Width: Min: Rear Yard: 35 ft Min: Right Side Yard: 15 ft
Min. Number Parking Spaces: Max. Built Upon Area:

Comments:
single family dwelling

Directions:
Mocksville, turn left onto Sain, turn left onto Spring Forest, turn left onto Howard Pond, the lot is on the right

FEES

Zoning Permit/Inspection Fee	☑	$45.00
Site Plan Review Fee	☐	$0.00
Environmental Health New System	☑	$200.00
Environmental Health Existing System	☐	$0.00
Total Fees:		$245.00

I certify that all statements made in this application and any attached documents are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that false information may be grounds for rejection of this application. Authorized Health Department and Planning & Enforcement Representatives are granted right of entry to make evaluations or inspections and to release information upon public request.

Applicant: _____ Date: 3.11.2005

A non-refundable fee of $45.00 is charged on all permit applications.

EMILY JACKSON

Printed: 3/11/2005